assign device **132***a* to energy deficiency level **303**, in response to the evaluation of data in tables **320**, **322**, and/or application data **224**.

[0044] Processing module **114** may generate control signal **150** based on the assignment of devices **132** to energy efficiency levels **301**, **302**, **303**. Control signal **150** may be a series of binary signals, a bit vector, etc. For example, if control module **116** includes two switches, control signal **150** may be a bit vector of a length of two. If control module **116** includes four interfaces, control signal **150** may be a bit vector of a length of four. In the example, processing module **114** may generate control signal **150** to allow a transmission of energy **104** to device **132***b* based on the assignment of device **132***b* to energy deficiency level **301**. Similarly, processing module **114** may generate control signal **150** to interrupt a transmission of energy **104** to device **132***a* based on the assignment of device **132***a* to energy deficiency level **303**. In the example, where control signal **150** may be a bit vector of a length of two, control signal **150** may be "01", where the least significant bit ('1') may be effective to activate a switch in control module **116** that corresponds to interface **113***b*, and the most significant bit ('0') may be effective to deactivate a switch in control module **116** that corresponds to interface **113***a*.

[0045] In some examples, processing module **114** may receive an update on device data **138** periodically, such as at intervals of 15 minutes, 30 minutes, etc. In response to receiving updated device data **138**, processing module **114** may reassign devices to energy efficiency levels. For example, an updated version of device data **138***a* may be received where current energy quantity **314***a* is lowered to fifty percent and device application data **310***a* indicates a suspension of twenty device applications. Processing module **114**, based on the updated version of device data **138***a*, may reevaluate device data **138***a* and device data **138***b*, and may reassign device **132***a* to energy deficiency level **302**. Processing module **114** may further regenerate control signal **150** based on the reassignment of device **132***a* to energy deficiency level **302**. In some examples, when two or more devices are assigned to a same energy deficiency level, processing module **114** may execute energy control instructions **305** to rank the two or more devices. For example, if devices **132***a*, **132***b* are both assigned to energy deficiency level **301**, processing module **114** may rank devices **132***a*, **132***b* in order to determine which device should receive energy **104** first. Processing module **114** may rank devices **132***a*, **132***b* based on current energy quantity **314**. If an current energy quantity **314** of device **132***b* is less than an current energy quantity **314** of device **132***a*, then device **132***b* may be ranked higher than device **132***a* and may receive a high charging priority. In some examples, processing module **114** may further rank devices **132** based on device data **138** and/or application data **224**.

[0046] FIG. **4** illustrates example system **100** of FIG. **1** with additional detail relating to control a distribution of energy, arranged in accordance with at least some embodiments described herein. FIG. **4** is substantially similar to system **100** of FIGS. **1-3**, with additional details. Those components in FIG. **4** that are labeled identically to components of FIGS. **1-3** will not be described again for the purposes of clarity.

[0047] Control module **116** may receive control signal **150** from processing module **114**. In the example, control module **116** may include one or more switches **410** (including switch **410***a* and switch **410***b*). Switch **410***a* may be configured to be in communication with interface **113***a* of interface module **112**. Switch **410***b* may be configured to be in communication with interface **113***b* of interface module **112**. In an example where control signal **150** may be "10", control signal **150** may be effective to deactivate switch **410***a* and activate switch **410***b*. When switch **410***a* is deactivated, energy **104** may be not be transmitted from energy source **102** to device **132***a* through interface **113***a*. When switch **410***b* is activated, energy **104** may be transmitted from energy source **102** to device **132***b* through interface **113***b*. In another example where control signal **150** may be "11", control signal **150** may be effective to activate switches **410***a*, **410***b*. In another example where control signal **150** may be "10", and device **132***a* is not assigned to an energy deficiency level, processing module **114** may send a request to device **132***a* to discharge energy to device **132***b*. When energy is discharged from device **132***a*, interface module **112** may receive the discharged energy from device **132***a* and may transmit the discharged energy to device **132***b*. In some examples, interface module **112** may further include a unit **412**, where unit **412** may include a controller configured to facilitate receipt and/or transmission of energy among devices **132**. Unit **412** may be configured to be in communication with interfaces **113**. In some examples, unit **412** may further include an energy storage component configured to store the discharged energy from device **132***a*.

[0048] In another example, where device **132***b* is assigned to energy deficiency level **301** and device **132***a* is not assigned to an energy deficiency level, processing module **114** may further determine a charge quantity **420** and a discharge quantity **422**. Charge quantity **420** may be an amount of energy **104** to be transmitted to device **132***b*, and discharge quantity **422** may be an amount of quantity of energy to be discharged by **132***a*. Energy control instruction **305** may include an energy flow condition **424** that may be a condition effective to indicate a balanced energy flow among devices **132**. For example, energy flow condition **424** may be represented by:

$$f=a_1x_1+a_2x_2+a_3x_3+\ldots$$

where f may represent energy flow condition **424**; a_i may represent battery loss rate **334** of a device of an index i, for example, a_1 may represent battery loss rate **334***a* of device **132***a* and a_2 may represent battery loss rate **334***b* device **132***b*; and x_i may represent charge quantity **420** or discharge quantity **422** for a corresponding device of index i.

[0049] Processing module **114** may execute energy control instruction **305** to determine a constraint on charge quantity **420** and/or a constraint on discharge quantity **422** of devices **132**. Constraints on charge quantity **420** and discharge quantity **422** may be effective to define a optimal solution of energy flow condition **424**, which may relate to a minimum amount of energy loss experienced by system **100**. In an example, a particular device may be assigned to energy deficiency level **301** or energy deficiency level **302**, which requires charging. A constraint on charge quantity **420** for the particular device may be to limit charge quantity **420** to less than, or equal to, a difference between a full energy quantity and current energy quantity **314** of the particular device. A full energy quantity of a device may be one hundred percent (denoted as 1) of energy remaining in a battery of the device. For example, when device **132***b* is assigned to energy efficiency level **301**, a constraint on a